

DTC	B0137/61	Short in LH and RH P/T Squib Circuit (to Ground)
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CIRCUIT DESCRIPTION

The LH and RH P/T squib circuits consist of the airbag sensor assembly and LH and RH seat belt pretensioners.

It causes the pretensioner to activate when the pretensioner activation conditions are satisfied.

For details of the function of each component, see OPERATION on [page RS-2](#).

DTC B0137/61 is recorded when ground short is detected in the LH and RH P/T squib circuits.

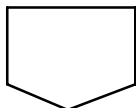
DTC No.	DTC Detecting Condition	Trouble Area
B0137/61	• Short circuit in P/T squib (LH) wire harness (to ground) • Short circuit in P/T squib (RH) wire harness (to ground) • P/T squib (RH) malfunction • P/T squib (LH) malfunction • Airbag sensor assembly malfunction	• Seat belt pretensioner (LH) • Seat belt pretensioner (RH) • Airbag sensor assembly • Wire harness

WIRING DIAGRAM

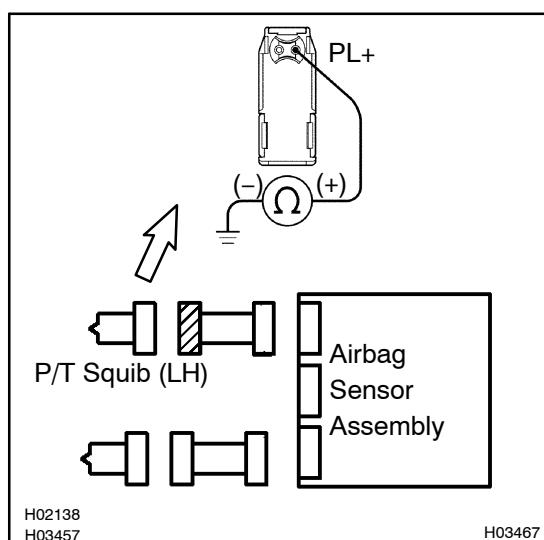
See [page DI-460](#).

INSPECTION PROCEDURE

1	Prepare for inspection. (See step 1 on page DI-503)
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2	Check P/T squib (LH) circuit.
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CHECK:

For the connector (on the airbag sensor assembly side) between the seat belt pretensioner and airbag sensor assembly, measure the resistance between PL+ and body ground.

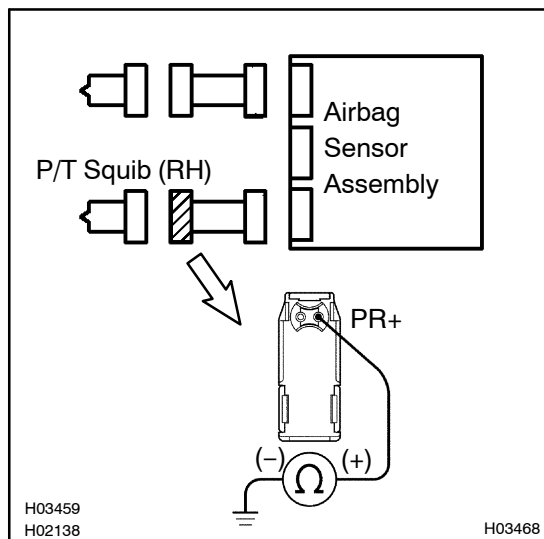
OK:

Resistance: 1 MΩ or Higher

NG

Repair or replace harness or connector between the seat belt pretensioner (LH) and airbag sensor assembly.

OK

3 Check P/T squib (RH) circuit.**CHECK:**

For the connector (on the airbag sensor assembly side) between the seat belt pretensioner and airbag sensor assembly, measure the resistance between PR+ and body ground.

OK:

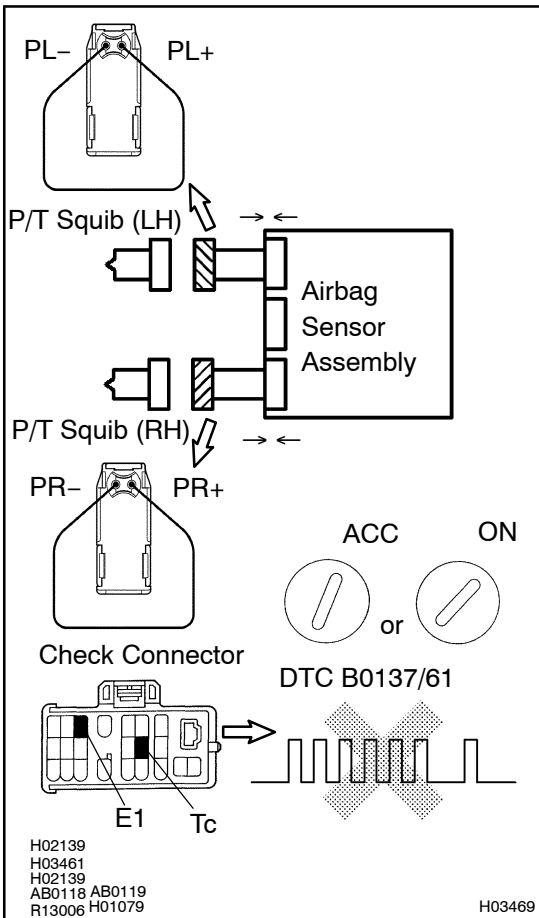
Resistance: 1 MΩ or Higher

NG

Repair or replace harness or connector between the seat belt pretensioner (RH) and airbag sensor assembly.

OK

4 Check airbag sensor assembly.



PREPARATION:

- Connect the connectors to the airbag sensor assembly.
- Using a service wire, connect PL+ and PL- of the connector (on the seat belt pretensioner side) between the seat belt pretensioner (LH) and airbag sensor assembly.
- Using a service wire, connect PR+ and PR- of the connector (on the seat belt pretensioner side) between the seat belt pretensioner (RH) and airbag sensor assembly.
- Connect negative (-) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

- Turn ignition switch to ACC or ON and wait at least for 20 seconds.
- Clear DTC stored in memory.
(See step 5 on [page DI-386](#))
- Turn ignition switch to LOCK, and wait at least for 20 seconds.
- Turn ignition switch to ACC or ON, and wait at least for 20 seconds.
- Check DTC.
(See [page DI-386](#))

OK:

DTC B0137/61 is not output.

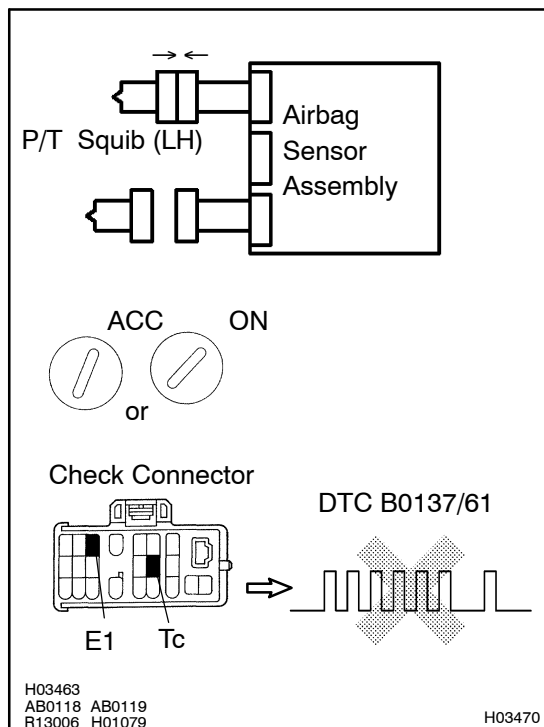
HINT:

Codes other than DTC B0137/61 may be output at this time, but they are not relevant to this check.

NG

Replace airbag sensor assembly.

OK

5 Check P/T squib (LH).**PREPARATION:**

- Turn ignition switch to LOCK.
- Disconnect negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Connect the seat belt pretensioner (LH) connector.
- Connect negative (-) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

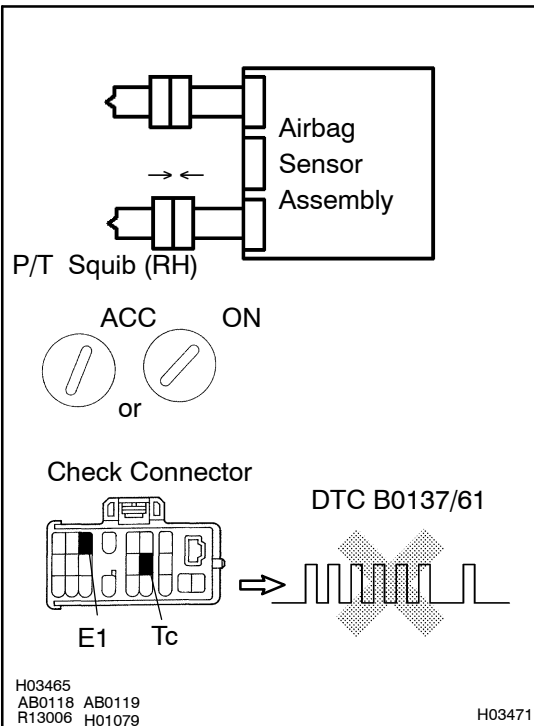
- Turn ignition switch to ACC or ON, and wait at least for 20 seconds.
- Clear DTC stored in memory.
(See step 5 on [page DI-386](#))
- Turn ignition switch to LOCK, and wait at least for 20 seconds.
- Turn ignition switch to ACC or ON, and wait at least for 20 seconds.
- Check DTC. ([See page DI-386](#))

OK:**DTC B0137/61 is not output.****HINT:**

Codes other than DTC B0137/61 may be output at this time, but they are not relevant to this check.

NG**Replace seat belt pretensioner (LH).****OK**

6 Check P/T squib (LH).



PREPARATION:

- Turn ignition switch to LOCK.
- Disconnect negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Connect the seat belt pretensioner (RH) connector.
- Connect negative (-) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

- Turn ignition switch to ACC or ON, and wait at least for 20 seconds.
- Clear DTC stored in memory.
(See step 5 on [page DI-386](#))
- Turn ignition switch to LOCK, and wait at least for 20 seconds.
- Turn ignition switch to ACC or ON, and wait at least for 20 seconds.
- Check DTC. ([See page DI-386](#))

OK:

DTC B0137/61 is not output.

HINT:

Codes other than DTC B0137/61 may be output at this time, but they are not relevant to this check.

NG

Replace seat belt pretensioner (RH).

OK

From the results of the above inspection, the malfunctioning part can now be considered normal. To make sure of this, use the simulation method to check. If the malfunctioning part can not be detected by the simulation method, replace all SRS components including the wire harness.